Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/03/2020 10:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125194	0	2.26	125290	2.24
Blue	F	SSC	125000	124159	-1	2.02	124883	1.99
Blue	E	FITC	15892	15381	-4	2.84	335	21.27
Blue	D	PE	29999	29387	-3	2.01	643	15.35
Blue	B	PerCP-Cy5-5	43732	43451	-1	3.77	1164	20.74
Blue	A	PE-Cy7	30845	31157	1	6.19	595	42.01
Red	C	APC	46112	45350	-2	2.54	1602	12.09
Red	A	APC-Cy7	30458	29882	-2	2.44	788	12.17
Violet	B	V450	7918	7643	-4	4.19	432	12.88
Violet	A	V500	32171	31148	-4	3.95	728	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17150	10.66	631	10	N/A	N/A	Pass
Blue	F	SSC	56629	1.41	570	11	N/A	N/A	Pass
Blue	E	FITC	60	65.51	549	6	0.0170	83	Pass
Blue	D	PE	133	50.47	555	7	0.1375	217	Pass
Blue	B	PerCP-Cy5-5	212	52.39	662	6	0.0089	98	Pass
Blue	A	PE-Cy7	110	104.54	706	8	0.0103	17	Pass
Red	C	APC	382	25.09	588	4	0.0246	142	Pass
Red	A	APC-Cy7	173	29.25	560	4	0.0054	931	Pass
Violet	B	V450	65	57.02	459	1	0.0497	1731	Pass
Violet	A	V500	109	32.95	475	1	0.0236	731	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.06	-32.41	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	16.64	13.60 - 20.40	N/A	N/A	29.32	30.37	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9543

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments